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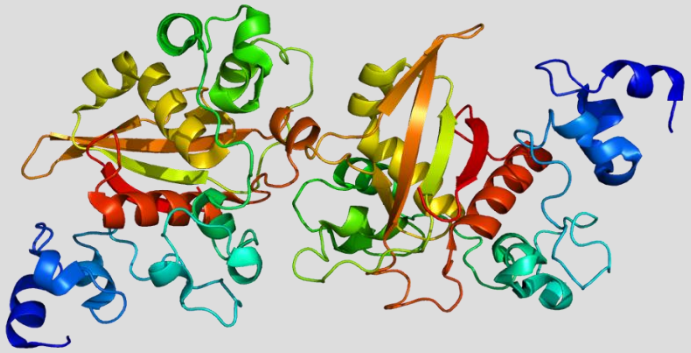

Encephalopathy – A rare symptom in CADASIL

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CADASIL

Most common:

Migraines with aura

Small strokes/TIAs

Memory and Mood problems

Less Common:

Seizures

Encephalopathy

Mobility problems

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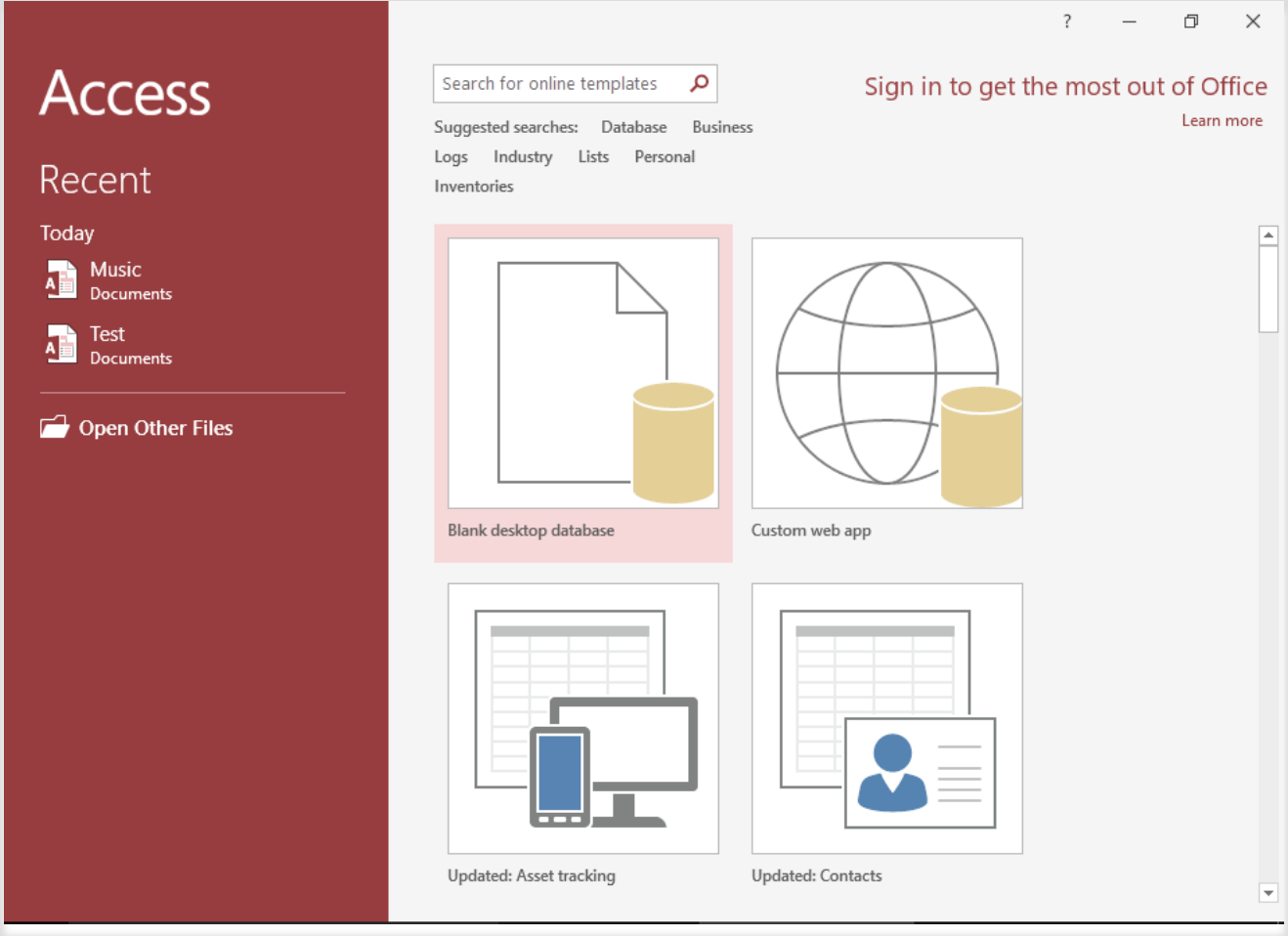
What is encephalopathy in CADASIL?

"CADASIL coma"
Patients presented to Emergency Department with:
confusion
headache
seizures(fits)
hallucinations
(seeing things that are not there)

Often diagnosed by emergency doctor with a brain infection such as meningitis or encephalitis.



Contact Details

Symptoms:
(Migraine, Stroke..)

Risk factors:(high blood pressure,

Test results :(genetics, MRI)

Memory tests

Mood scale

Old Database

New Database 2016

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What did we find?

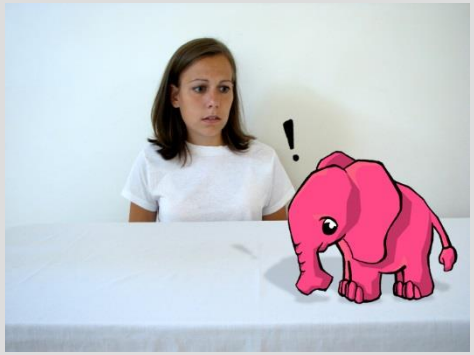
We reviewed data on 342 CADASIL patients

How common is it?
10 % of patients with CADASIL

How does it start?
Majority of cases start as a usual migraine or migraine aura.

What other symptoms follow?
Confusion or Coma

Visual hallucinations: didn't see lower half of people's body, people, dead people or ghosts, animals,"blood pressure machine turning to evil spirit" or "boyfriend on the ward with another woman"



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What did we find?

What other symptoms follow ?

Seizures (fits)

Stroke like symptoms (weakness, numbness, speech problem, visual problems)

Paranoid delusions (person believes something despite strong evidence against :"nurses acting as spies")

Are there any Risk Factors for having Encephalopathy?

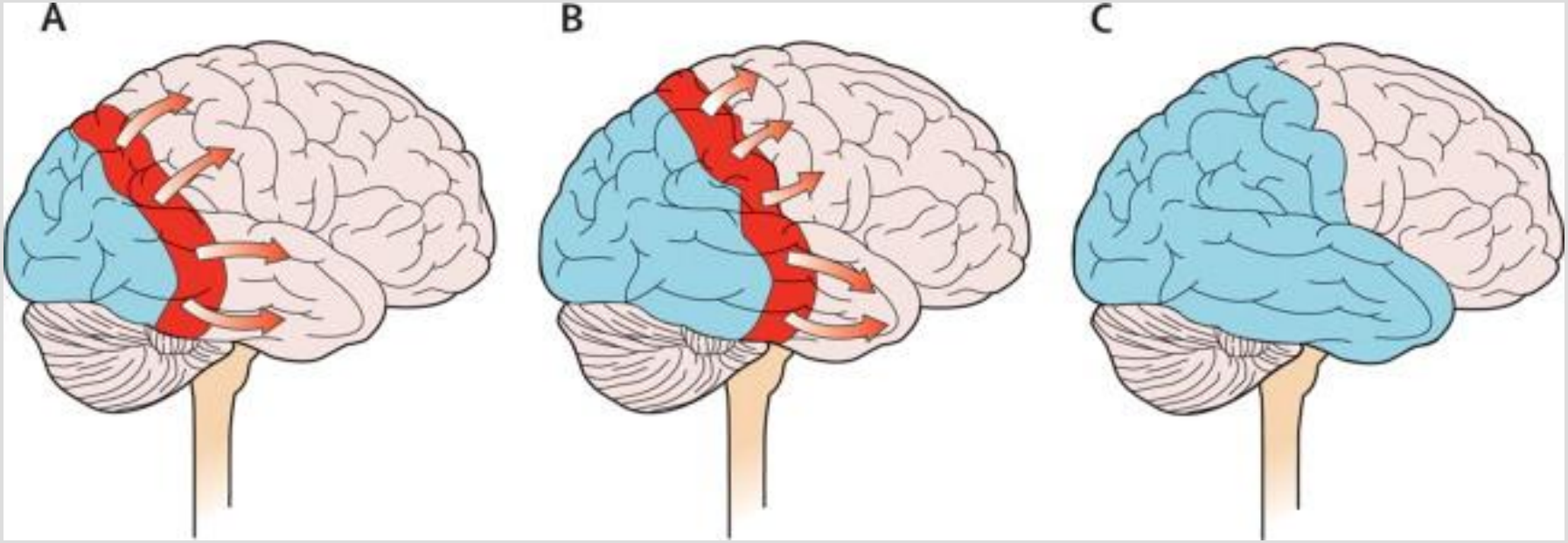
Group Characteristic	Encephalopathy 35 case	Non Encephalopathy 307 cases	
AGE	46.3	47.9	
Sex (female/male)	18F / 17 M	181 F / 126 M	
HYPERTENSION	34.3%	20.8%	
SMOKING	45.7%	56.4%	
DIABETES	5.7%	4.9%	
Migraine as First Symptom of CADASIL	88.5%	64.8%	SIGNIFICANT !
History of MIGRAINE	97.1	72.3%	SIGNIFICANT !
History of MIGRAINE WITH AURA	97.1%	63.5%	SIGNIFICANT !
History of Stroke	22.9	47.2	
History of Dementia	2.9	8.8	
History of Depression	28.6%	33.6%	

Why does it happen ?

We believe it is related to migraine.

What might be a cause?

Electrical wave spreading on the surface of the brain.



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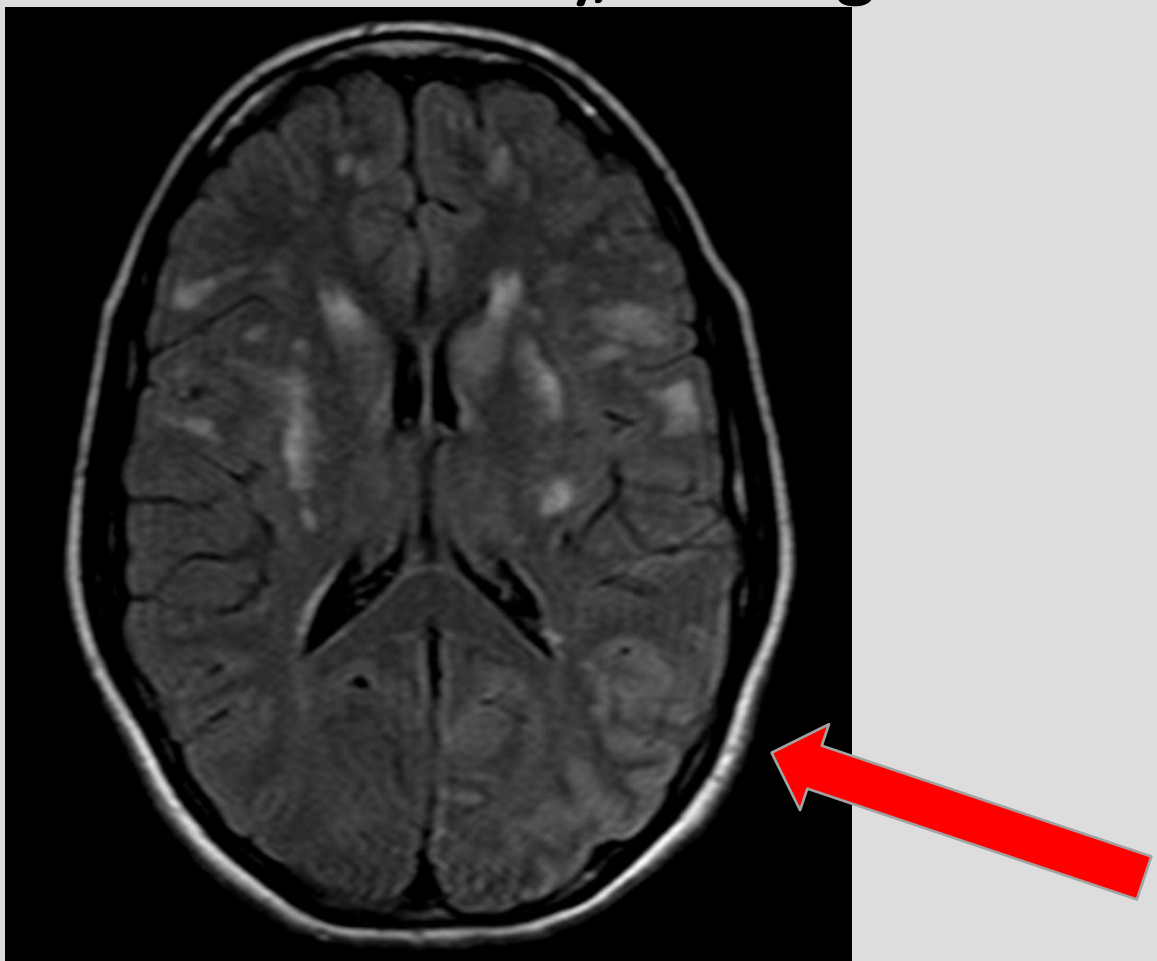
Will the MRI or lumbar puncture show any changes other than that of CADASIL?

In most cases :No.
But occasionally, swelling in the cortex..



Is it Dangerous?

No, most patients (90%) –complete recovery.

Few complaining -memory problems, numbness.

But –most patients recovered within 3 months.

Why is it important?

Patients often given wrong diagnosis and treatment they don't need due to lack of knowledge on this condition.

Helps us better understand migraine and CADASIL.

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Cambridge University Hospitals NHS Foundation Trust

What if I had it ?

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"My diabetic research shows that test subjects are 98% more likely to take their diabetic pills if the pills are covered in chocolate."

Participate in Research!